



436267

**Municipal & Contractor Supply, Inc.****nochar****spill stabilizers
liquid solidifiers
bonding agents
spill response kits**

Nature's partner in environmental protection and
waste minimization

US EPA
Steve Renninger

Following please find the article from the Mansfield News Journal regarding the Dayton Electroplate site.

I am enclosing information on our Nochar products as follows.

A660 Acid Bond
A620 Carbond filtration media
A610 Petro Bond for hydrocarbons

A 622 Leadbond
A630R Retardant Liqui Bond

Please consider these very effective products with your contractor. They are all non-toxic, non-hazardous and will not leach products once absorbed.

We look forward to discussing these products and are available for immediate demonstration, if requested.

Listed below is the manufacturer's phone number for immediate factory assistance.

Dennis Campbell, 317-573-4880

Thank you in advance for looking at this material.

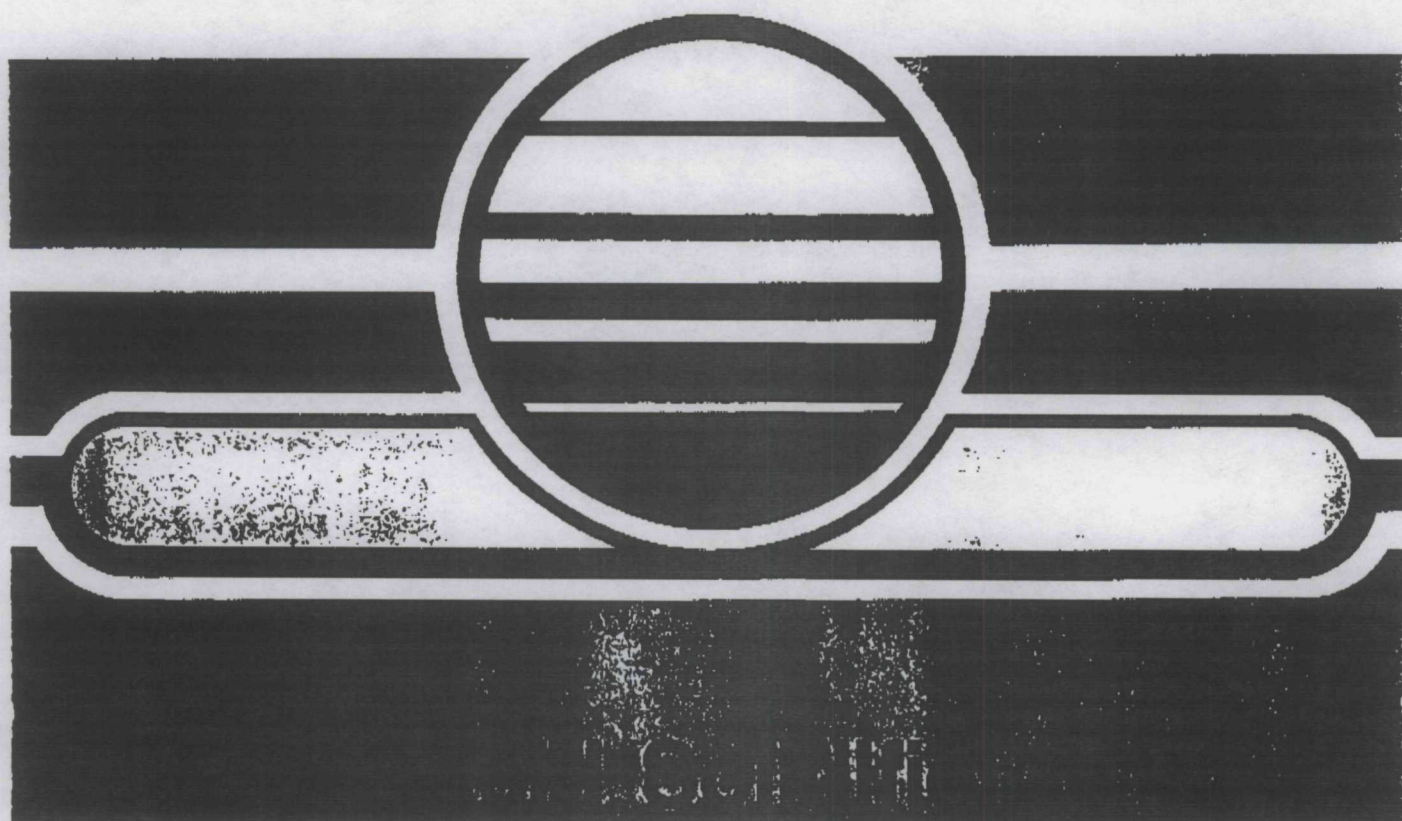
Robert S. Hunn
President

P.O. Box 3006 • Lexington, Ohio 44904-0006
(419) 884-2515 • FAX (419) 884-2678 • 1-800-537-5800

Date: 1-24-97	From: Bob Hunn
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To: Steve Renninger	
Company: US EPA	
Fax Number: 513-223-6772	
Number of Pages 13 (including cover sheet)	
If there are any missing pages or problems, please call (419) 884-2515 immediately.	

nochar's A660

**ACTED
BOND™**



nochar's A660™

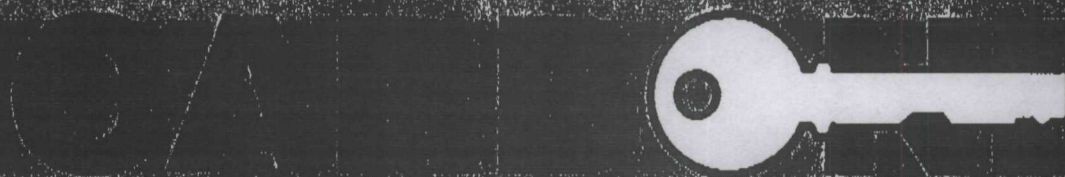
nochar's Enduring fire Protection Products include self-control and holding valves, fire retardant coatings and toppings, manufacturing fire retardant sealers for fire-impregnated, continuously sealed surfaces and a mobile extinguishing system for personnel protection. For more information, contact your representative for additional information.

A660™ E20™ SHER

Chlorine Dioxide (Chlorine Dioxide)
Vaporless
Non-Flammable
Neutral
Keep free of contamination
Non-toxic
Verifies with liquid banding
Caution should be exercised. Dispose of in accordance with federal, state and local laws for hazardous waste.
A. Byphosene (A. Byphosene)
Non-Toxic (Non-Toxic) Non-Corrosive
All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed.

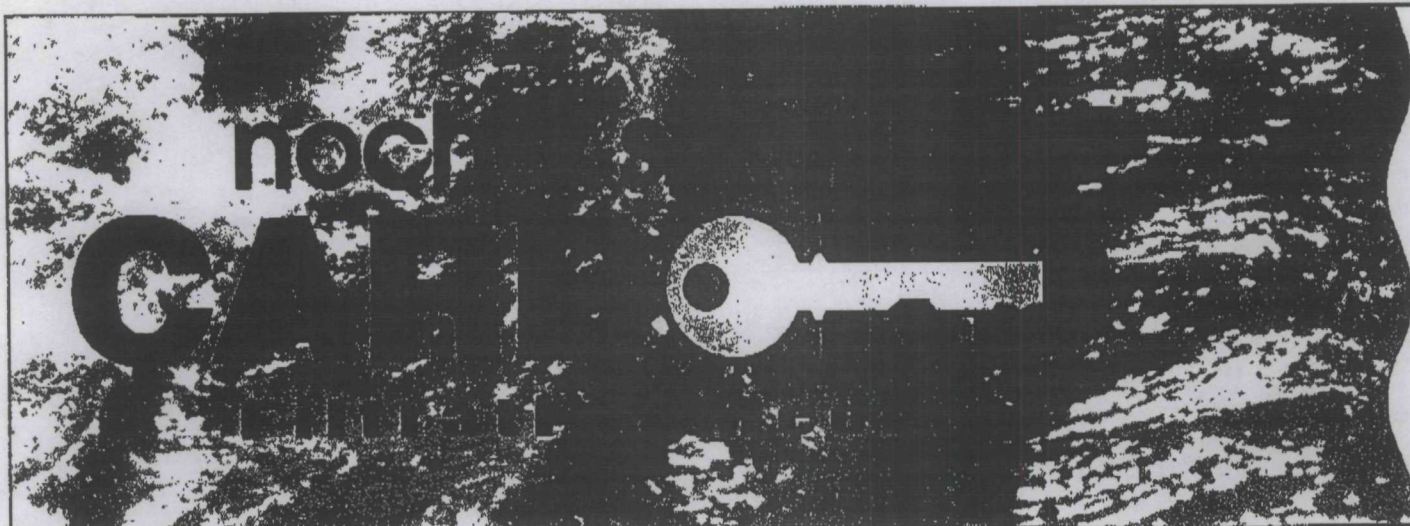
Corporate Office
10333 N. Meridian, Suite 215
Indianapolis, In 46290
(317) 573-4860
FAX (317) 573-4865

nochar's A620



Filtration Media

**A 21st Century
Solution
For Clean Water**



nochar's A620 CARBOND Filtration Media^{TMPP} is a more efficient answer to water filtration that incorporates both the advantages of *bonding* and *adsorption*.

nochar's A620 CARBOND Filtration Media^{TMPP} not only adsorbs hydrocarbon contamination as carbon does, but also chemically bonds the hydrocarbon.

nochar's A620 CARBOND Filtration Media^{TMPP} will remove hydrocarbons at an efficiency ratio of up to 25:1^{*} versus activated carbon filtration methods.

nochar's A620 CARBOND Filtration Media^{TMPP} is more effective and economical to use in removing VOC contamination. When compared to using activated carbon filtration methods, nochar's A620 CARBOND Filtration Media^{TMPP} can reduce material cost by approx. 45%.

nochar's A620 CARBOND Filtration Media^{TMPP} was developed to be a direct replacement for all current activated carbon systems when used to remove hydrocarbon contaminants. Because of its high efficiency, smaller size vessels are available.



Bonding and Adsorption

1. **ADSORB:** To take on by surface contact; wicking action. Materials that remove by adsorption take on liquid by surface contact with no transformation.

Activated carbon adsorbs water and liquid contaminants onto its surface.

2. **ABSORB:** To transfer a liquid into a solid. To take in and make part of; to transform to a different form. To bond.

nochar's A620 CARBOND Filtration Media^{TMPP} bonds hydrocarbons and transforms the liquid into a solid.

3. nochar's A620 CARBOND Filtration Media^{TMPP}:

Uses both processes of absorption (bonding) and adsorption, this is the key to nochar's A620 CARBOND Filtration Media^{TMPP} increased efficiency.

* Trade reference to Nochar A620M filter media. (Patent Pending)

vs. Carbon

100 ppm (mg/l) BTEX at 10 GPM

"How many pounds of carbon would it take to remove — 4,376 lbs. of BTEX?"

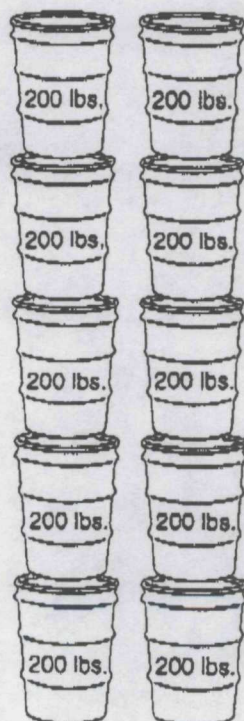
vs.

87,520 lbs. carbon (5% Efficient)

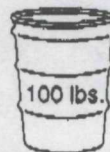
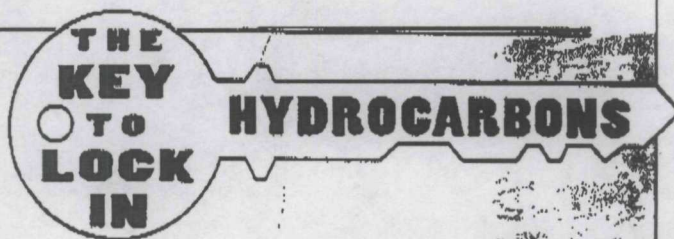
43,760 lbs. carbon (10% Efficient)

29,174 lbs. carbon (15% Efficient)

**To remove
400 lbs. of
contaminants
you need:**

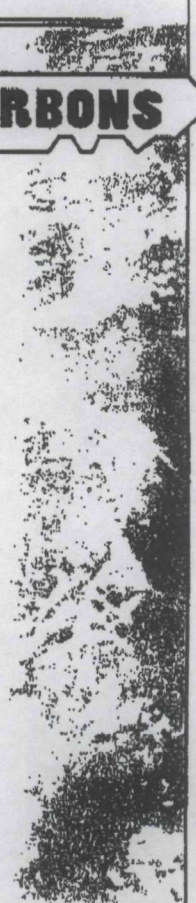


10 x 55 gal. drums
of Activated Carbon
(20% Efficient)



- or -

1 x 55 gal. drum
of nochar's
A620 CARBOND
Filtration Media^{TMPP}
(400% efficient)



nochar's A620 CARBONDTM

Filtration MediaTM

nochar's A620 CARBOND Filtration MediaTM is a non-toxic, non-corrosive environmentally friendly filtration media. nochar's A620 CARBOND Filtration MediaTM will not only ADSORB hydrocarbon contamination, but also ABSORBS, CONGEALS, and BONDS the hydrocarbon, thus reducing the risk of hydrocarbon leaching during filtering applications. nochar's A620 CARBOND Filtration MediaTM combines the effect of ADSORB and ABSORB for maximum efficiency. nochar's A620 CARBOND Filtration MediaTM can be up to 25* times more efficient than using straight sorbants.

nochar's A620 CARBOND Filtration MediaTM can be integrated into an existing carbon system or nochar can custom engineer a system to meet any need.

nochar's Environmental Protection Products include spill control and bonding agents; heat barriers; fire retardant additives for foam manufacturing; fire retardant sealers for flexible foams, fabrics and previously sealed surfaces; and a unique extinguishing system for petroleum-based fires. See your nochar representative for additional information.

nochar's A620 CARBOND Filtration MediaTM Fact Sheet

WEIGHT BY VOLUME	One pound equals 115.5 cubic inches
ABSORPTION CAPACITY	1,816,000 milligrams* hydrocarbon per one pound of <u>nochar's A620 CARBOND Filtration MediaTM</u>
DENSITY	14.98 PCF
SPECIFIC GRAVITY	0.932 proximate
PH SPECIFICATIONS	Neutral (6.5 to 7)
STORAGE	Keep free of contamination
VOLATILITY BEFORE USE	None
VOLATILITY AFTER USE	Varies with flammability of liquid bonded
DISPOSAL	Caution should be exercised. Dispose of in accordance with federal, state and local laws for the bonded liquid
PACKAGING	nochar's A620 CARBOND Filtration Media TM can be packaged in 14 pound bags (1 cubic foot) or 900 pound bulk containers (64.29 cubic feet)
TOXICITY	Non-Toxic, Non-Hazardous, Non-Corrosive
NOTICE	All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed.

* one milligram is equal to one part per million

CONTACT:

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LOCAL REPRESENTATIVE:

nochar's

A610

PETRO

BOND™



**Solidifies Waterborne
Petroleum Based Spills**

A nochar ENVIRONMENTAL PROTECTION PRODUCT

nochar's A610™

nochar's A610 is a non-toxic, non-hazardous, non-corrosive, environmentally friendly petroleum bonding agent (MSDS available) primarily for water-borne spills. Petroleum-based products include oils, fuels, solvents, paints, etc.

A610 is a dry granular material specifically designed to immobilize petroleum-based, water-borne liquid spills by coagulating and bonding the liquid. Unlike absorbants that soak up the liquid through expansion, **A610** bonds the liquid into a mass with minimal volumetric increase and retains the liquid for easier removal. This eliminates the dripping sponge effect by not allowing the liquid to be squeezed out and minimizes any residue or contamination.

A unique feature of **A610** is that while bonding the petroleum-based spill, it does not pick up any water in the process. This allows **A610** to be used on land for preventative measures prior to a possible spill. For example, a trench around a petroleum storage area or under an in-ground tank could be filled with **A610** to prevent ground contamination in case of a leak.

nochar's A600 Series of bonding agents can be formulated to fit your specific need. Formulas are available to clean up most liquid spills, from water to petroleum to hazardous chemicals. Also available is a fire retarded version for dry land spills where flammability needs to be inhibited. For water-borne spills that need to have flammability reduced, **nochar** recommends using **A610** first, then applying **nochar's E111** extinguishing gel (See **E111** literature).

A610 Fact Sheet

WEIGHT BY VOLUME

PICKUP RATIO

SPECIFIC GRAVITY

PH SPECIFICATIONS

STORAGE

VOLATILITY BEFORE USE

VOLATILITY AFTER USE

DISPOSAL

PACKAGING

TOXICITY

NOTICE

One pound equals 114 cubic inches

One pound will pick up 15 pounds liquid

.91

Neutral (6.5 to 7)

Keep free of contamination

None

Varies with flammability of liquid bonded

Caution should be exercised. Dispose of in accordance with federal, state and local laws for the bonded liquid

A610 can be packaged in assorted sizes and containers depending on user need. Standard package is 40 lb. bags.

Non-Toxic, Non-Hazardous, Non-Corrosive

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed.

nochar

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nochar's A622 LEADBOND

Filtration Media™

nochar's commitment to environmentally beneficial products has lead us to introduce a number of new state-of-the-art technology products to industrial and commercial water treatment. One of these new products is nochar's A622 LEADBOND Filtration Media™, which is very effective in removing heavy metals, particularly lead, from aqueous streams.

Applications include purification of drinking water where removal of suspected lead contamination is a concern. It has also proved useful in treatment of contaminated waste streams where lead removal is essential for environmental protection and where disposal is costly.

nochar's A622 LEADBOND Filtration Media™ will not leach trace organics or react with chlorine the way some organic water treatment media can. It can be blended with or used in conjunction with granular activated carbon where chlorine (taste and odor) performance is desired in conjunction with lead removal.

nochar's A622 LEADBOND Filtration Media™ is an inorganic naturally white ceramic-type material which is available in two forms: the granular product and nochar's A622 LEADBOND C, a carbon-bonded powder product that has about one tenth the uptake capacity of the granular form. The C-Type product is used where large filter beds and lower flowrates are required.

Unlike organic ion-exchange materials, nochar's A622 LEADBOND Filtration Media™ will not dry out, crack and channel, is chemically and thermally resistant, not prone to oxidation, and relatively inert, except for its design function of exchanging innocuous sodium of calcium ions for heavy metals ions such as lead. It is very selective for lead even in the presence of hard water, i.e. in large concentrations of calcium and magnesium ions.

Typical Properties

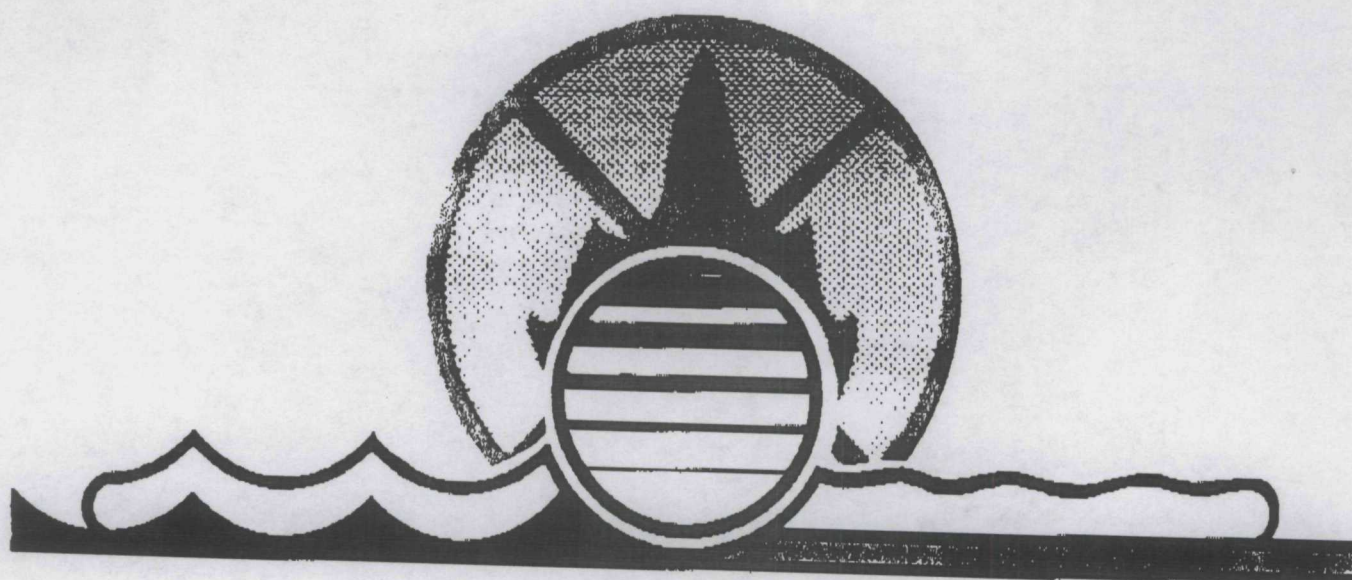
Form	granules
Color	white
Contents	100% active inorganic sorbent
Bulk Density	
A622 LEADBOND	60 lb. per cubic foot
A622 LEADBOND C	30 lb. per cubic foot
Particle Size	20/50 mesh
Moisture Loss @ 150 C	17%
pH of 1% dispersion	7-8
Average Lead Uptake	
A622 LEADBOND	2.724 kg/ft ³
Average Lead Uptake	
A622 LEADBOND C	136.2 gm/ft ³

Two specific attributes of nochar's A622 LEADBOND Filtration Media™ products which differentiates it from competitive materials are: rapid kinetics of uptake - performance even in demanding end-of-tap applications which meet NSF guidelines for lead removal in typical one-second contact times.

High retention of lead once adsorbed - depleted filters containing nochar's A622 LEADBOND Filtration Media™ will not leach lead, even under the Federal TCLP leachate procedure.

These granules are designed to be mechanically fed into a variety of plug-flow filtration devices, and will fill by gravity. Vibrational assistance is recommended, as with any granular media, to minimize void space.

nochar's A630R RETARDANT LIQUI BOND™



Solidifies Liquid Land Based Spills

A nochar ENVIRONMENTAL PROTECTION PRODUCT

nochar's A630R™

nochar's A630R is a non-toxic, non-hazardous, non-corrosive, fire retarded, environmentally friendly, **ALL-PURPOSE** liquid bonding agent (MSDS available). **A630R** will bond water, oils, fuels, solvents, or a mixture of the preceding.

A630R is a dry granular material designed to immobilize liquid spills very rapidly, bonding the liquid together for easy removal. Residential, commercial, and industrial concerns large and small have a need for a fast-acting bonding agent to reduce damage, down time, and protect the environment during a spill. **nochar's A630R** has passed the Toxic Characteristics Leachate Procedure (TCLP). The test was conducted by a laboratory which is recognized by the Ohio E.P.A.

USES

Plumbing Leaks
Equipment Overflows

Water Line Breaks
Service Stations

Laboratory Spills

nochar's A600 Series are bonding products that can be formulated to fit your specific need. Formulas are available to congeal, bond, or solidify most liquid spills, from water to petroleum to hazardous chemicals. Fire retarded and non-fire retarded versions for land or water-borne spills are currently available. Ask your **nochar** representative for details.

A630R Fact Sheet

WEIGHT BY VOLUME

PICKUP RATIO

SPECIFIC GRAVITY

PH SPECIFICATIONS

STORAGE

VOLATILITY BEFORE USE

VOLATILITY AFTER USE

DISPOSAL

PACKAGING

TOXICITY

NOTICE

One pound equals 114 cubic inches

One pound will pick up 25 pounds liquid

.91

Neutral (6.5 to 7)

Store in dry area; keep free of contamination

None

Varies with flammability of bonded liquid

Caution should be exercised. Dispose of in accordance with federal, state and local laws for the bonded liquid

A630R can be packaged in assorted sizes and containers depending on user need. Standard package is 10 lb. bags.

Non-Toxic, Non-Hazardous, Non-Corrosive

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CONTACT

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